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Amendments to the Claims

Amendments to the claims are reflected in the following listing of claims which shall replace all prior listings and versions of claims in this application:

Listing of Claims

1-34 (Cancelled)

35. (New)   A method for timing multiple events comprising:

providing a clock capable of indicating a current time;

receiving a plurality of events each having a respective event duration;

determining an expiration time of each event based on a respective event received time and said respective event duration;

determining which expiration time of said events is first to occur relative to said current time;

establishing a start time based on the current time when said first to occur expiration time is determined;

determining a time period based on a difference between said start time and said first to occur expiration time;

providing a timer;

timing said time period with said timer;

transmitting an action signal corresponding to said event having said first to occur expiration time when said time period has expired.

36. (New)   The method according to claim 35, further comprising:

receiving an additional event having an additional expiration time while said timer is timing said time period; and

determining if said additional expiration time will occur sooner than said first to occur expiration time.

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37. (New)   The method according to claim 36, wherein if said additional expiration time will occur sooner than said first to occur expiration time, said method further comprises:

establishing a new start time based on a current time when said additional expiration time is determined to occur sooner than said first to occur expiration time;

determining a new time period based on a time difference between said new start time and said additional expiration time;

stopping timing of said time period;

timing said new time period with said timer; and

transmitting an action signal corresponding to said additional event.

38. (New)   The method according to claim 35, further comprising:

after transmitting said action signal, determining an expiration time that is next to occur relative to said current time;

establishing a second start time based on a current time when said next to occur expiration time is determined;

determining a second time period equal to the time difference between said second start time and said next to occur expiration time;

providing a timer;

timing said second time period; and

transmitting a second action signal corresponding to said event having said next to occur expiration time.

39. (New)   The method according to claim 35, further comprising:

checking a first indicator upon transmitting said action signal, said indicator corresponding to whether said action signal should be sent again; and

determining an expiration time for resending said action signal if said indicator indicates that said action signal should be sent again.

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40. (New)   A set of instructions residing in a storage medium, said set of instructions capable of being executed by a processor to implement a method for timing multiple events, the method comprising:

providing a clock capable of indicating a current time;

receiving a plurality of events each having a respective event duration;

determining an expiration time of each event based on a respective event received time and said respective event duration;

determining which expiration time of said events is first to occur relative to said current time;

establishing a start time based on the current time when said first to occur expiration time is determined;

determining a time period based on a difference between said start time and said first to occur expiration time;

providing a timer;

timing said time period with said timer;

transmitting an action signal corresponding to said event having said first to occur expiration time when said time period has expired.

41. (New)   The set of instructions according to claim 40, wherein said method to be implemented further comprises:

receiving an additional event having an additional expiration time while said timer is timing said time period; and

determining if said additional expiration time will occur sooner than said first to occur expiration time.

42. (New)   The set of instructions according to claim 41, wherein if said additional expiration time is sooner than said soonest expiration time, said method to be implemented further comprises:

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establishing a new start time based on a current time when said additional expiration time is determined to occur sooner than said first to occur expiration time;

determining a new time period based on a time difference between said new start time and said additional expiration time;

stopping timing of said time period;

timing said new time period with said timer; and

transmitting an action signal corresponding to said additional event.

43. (New)   The set of instructions according to claim 40, wherein said method to be implemented further comprises:

after transmitting said action signal, determining an expiration time that is next to occur relative to said current time;

establishing a second start time based on a current time when said next to occur expiration time is determined;

determining a second time period equal to the time difference between said second start time and said next to occur expiration time;

providing a timer;

timing said second time period; and

transmitting a second action signal corresponding to said event having said next to occur expiration time.

44. (New)   The set of instructions according to claim 40, wherein said method to be implemented further comprises:

checking a first indicator upon transmitting said action signal, said indicator corresponding to whether said action signal should be sent again; and

determining an expiration time for resending said action signal if said indicator indicates that said action signal should be sent again.

45. (New)   A system comprising:

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a processor, a memory, a clock capable of indicating a current time, a timer, and a set of instructions executable by said processor for:

receiving a plurality of events, each having a respective event during in said memory;

determining an expiration time of each event based on a respective event received time and said respective event duration;

determining which expiration time of said events is first to occur relative to said current time;

establishing a start time based on the current time when said first to occur expiration time is determined;

determining a time period based on a difference between said start time and said first to occur expiration time;

causing said timer to time said time period;

transmitting an action signal corresponding to said event having said first to occur expiration time when said time period has expired.

46. (New)   The system according to claim 45, wherein said instructions are further executable by said processor for:

receiving an additional event in said memory, said additional event having an additional expiration time while said timer is timing said time period; and

determining if said additional expiration time will occur sooner than said first to occur expiration time.

47. (New)   The system according to claim 45, wherein if said additional expiration time will occur sooner than said first to occur expiration time, said instructions further executable by said processor for:

establishing a new start time based on a current time when said additional expiration time is determined to occur sooner than said first to occur expiration time;

determining a new time period based on a time difference between said new start time and said additional expiration time;

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stopping timing of said time period;

causing said timer to time said new time period with said timer; and

transmitting an action signal corresponding to said additional event.

48. (New)   The system according to claim 45, wherein instructions are further executable by said processor for:

determining an expiration time that is next to occur relative to said current time, after said action signal has been transmitted;

establishing a second start time based on a current time when said next to occur expiration time is determined;

determining a second time period equal to the time difference between said second start time and said next to occur expiration time;

causing said timer to time said second time period; and

transmitting a second action signal corresponding to said event having said next to occur expiration time.

49. (New)   The system according to claim 45, wherein said instructions are further executable by said process or for:

checking a first indicator upon transmitting said action signal, said indicator corresponding to whether said action signal should be sent again; and

determining an expiration time for resending said action signal if said indicator indicates that said action signal should be sent again.

50. (New)   They system according to claim 45, wherein said timer comprises a software module.